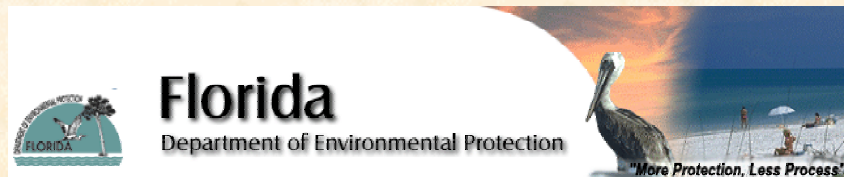


# The Past is the Key to the Present

## Conducting Contamination Assessment Work at Dry Cleaning Sites

*Bill Linn - Florida Department of Environmental Protection*







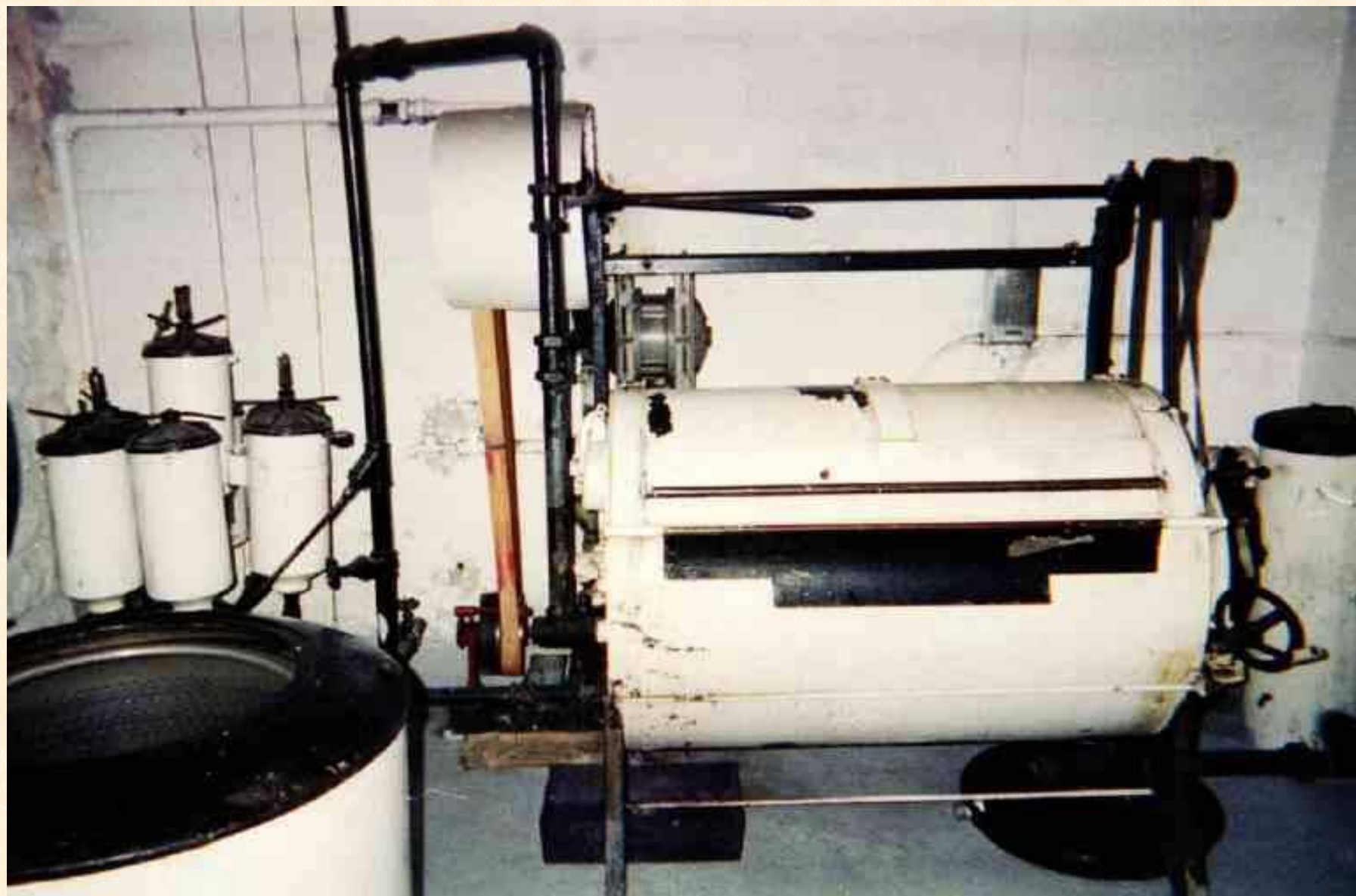
# ***A Strange Tale Of Drycleaning***

















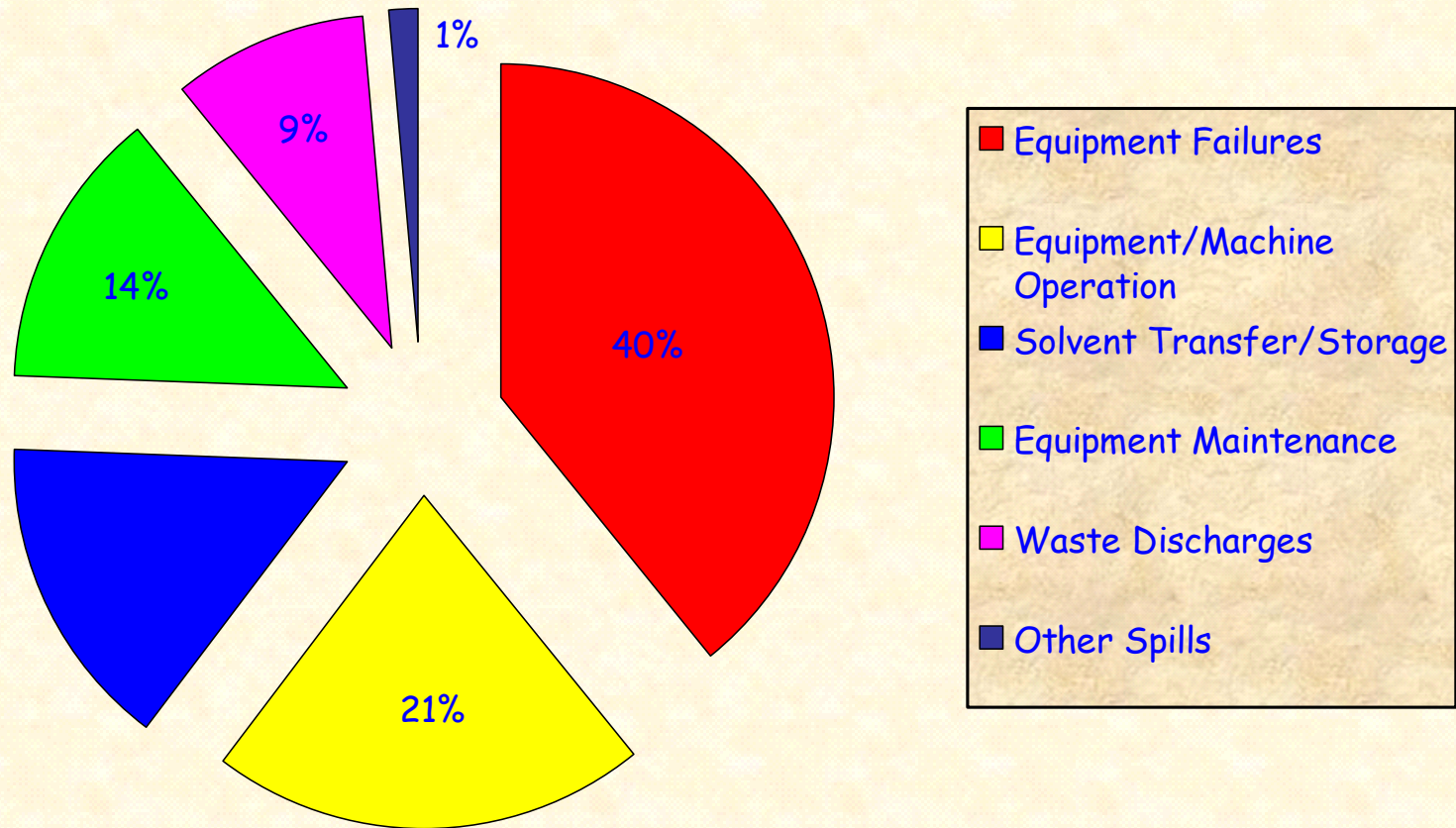
# Florida Drycleaning Solvent Program Application Question

*"Describe any spilling, leaking, seeping, pouring, emitting, emptying, dumping or misapplication of drycleaning solvents that has occurred at any time during the operation of the facility prior to this application"*

- 1566 Applications
- 70% of facilities - active
- 348 Applicants (31.8% of active facilities) - at least one leak/spill/discharge.
- 530 Incidents

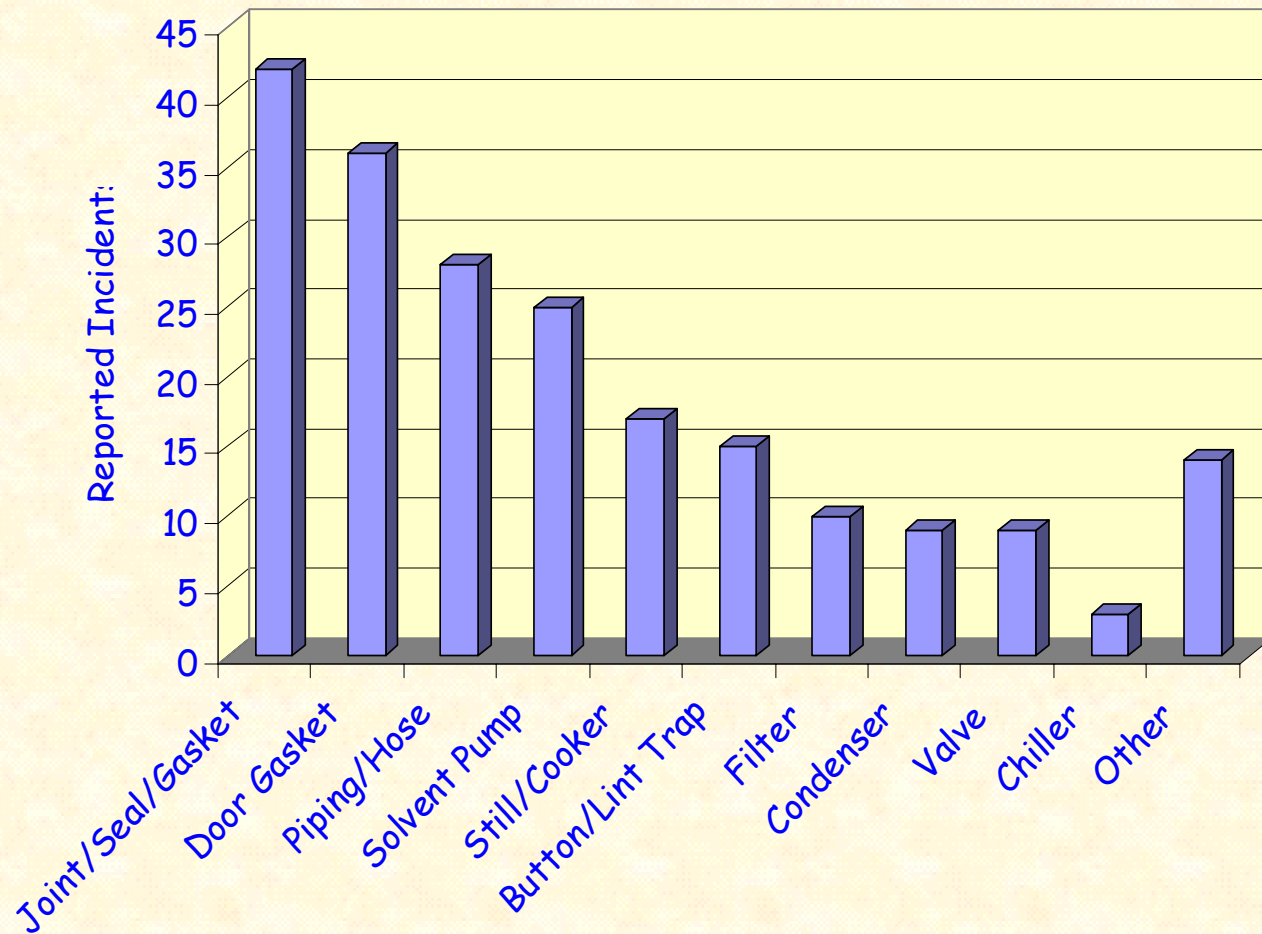


# Spill Categories

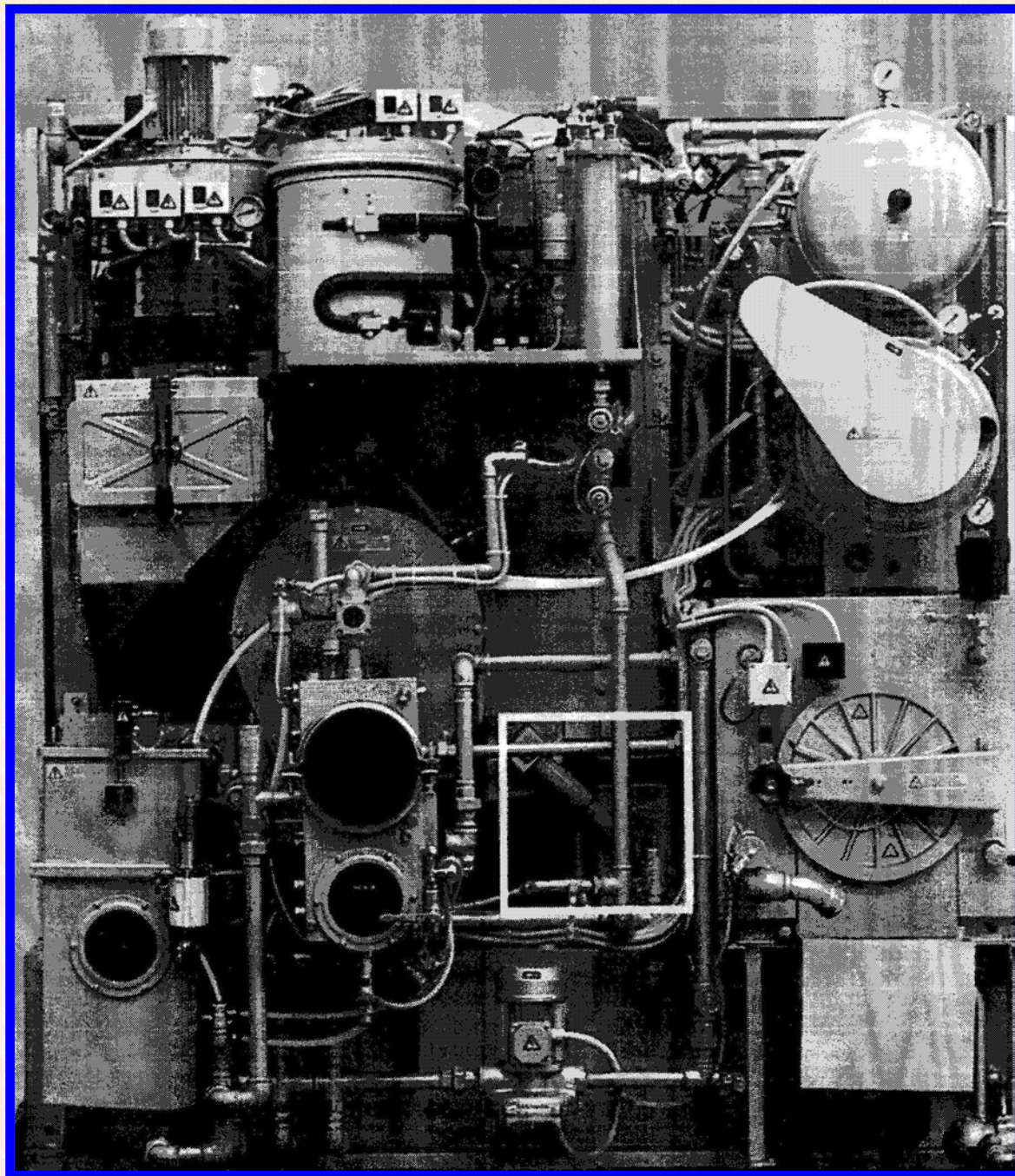




# Equipment Failure Spills



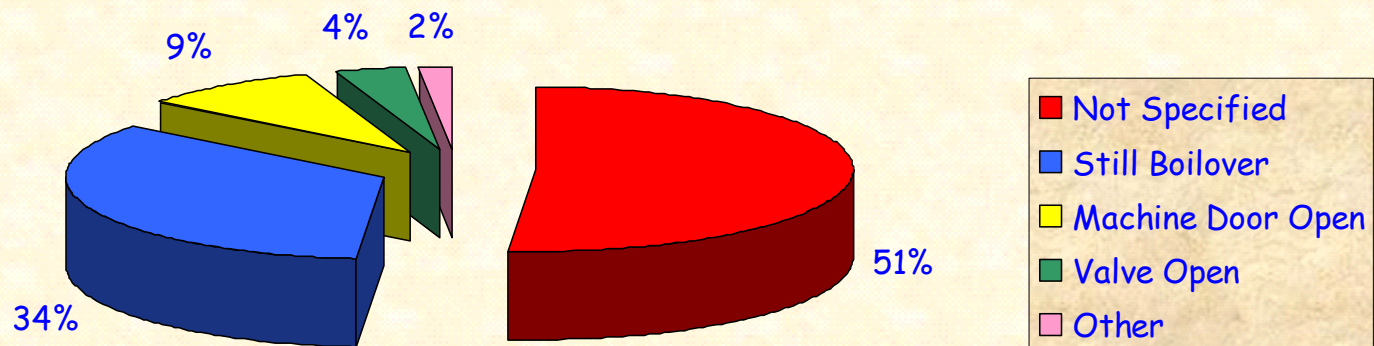








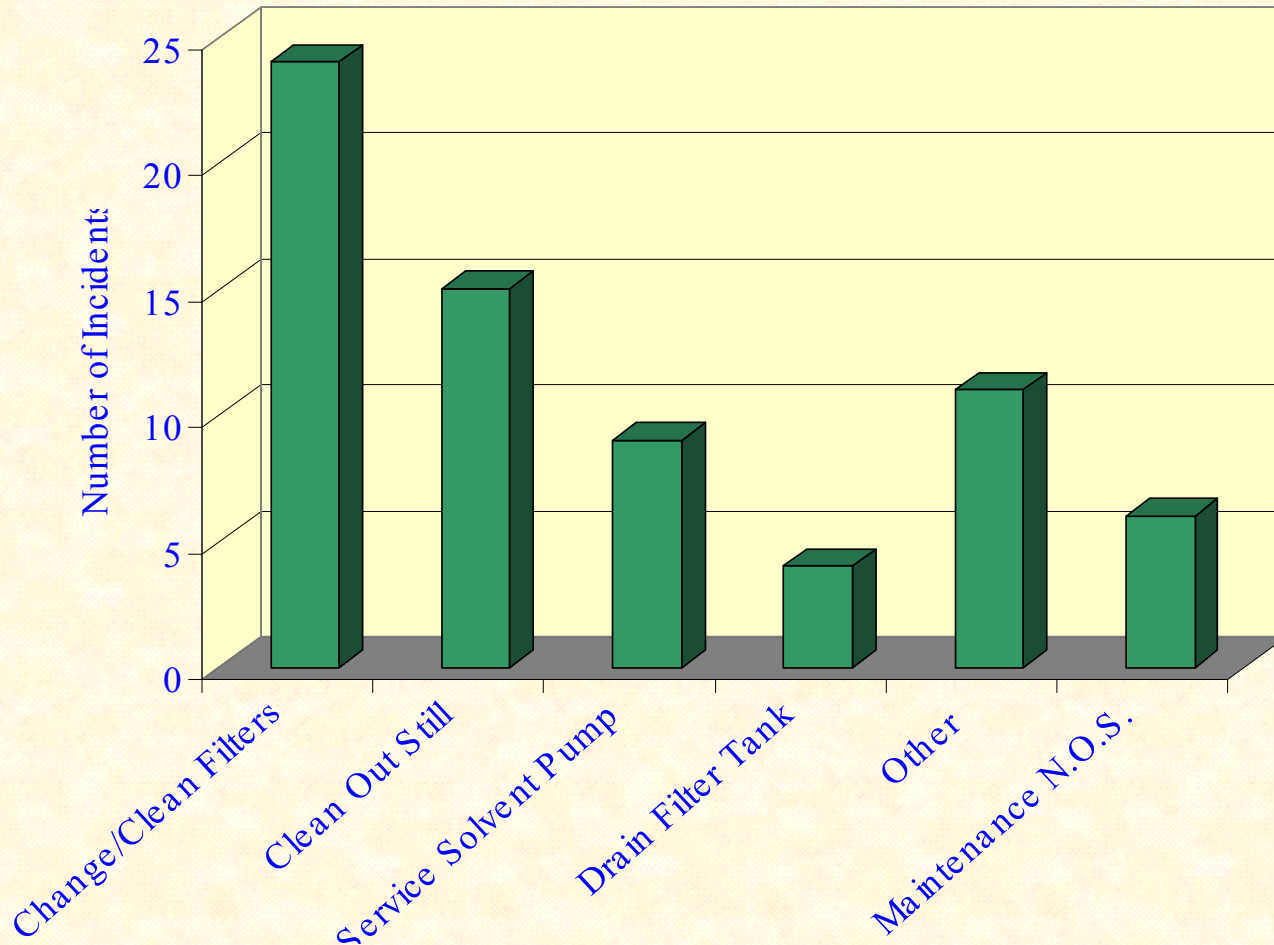
# Equipment - Machine Operation





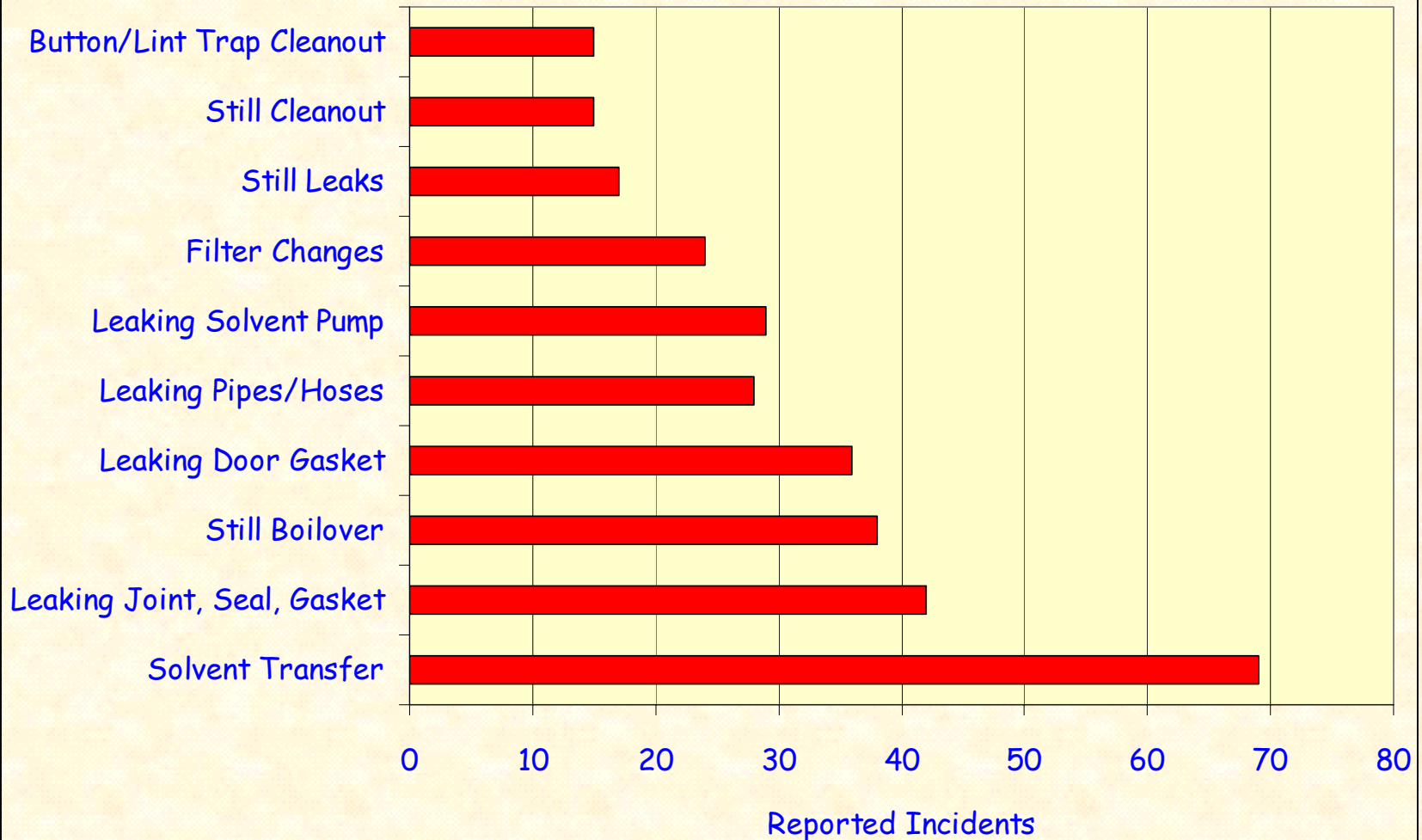


# Discharges Associated with Equipment Maintenance





# Top Ten Spill Sources





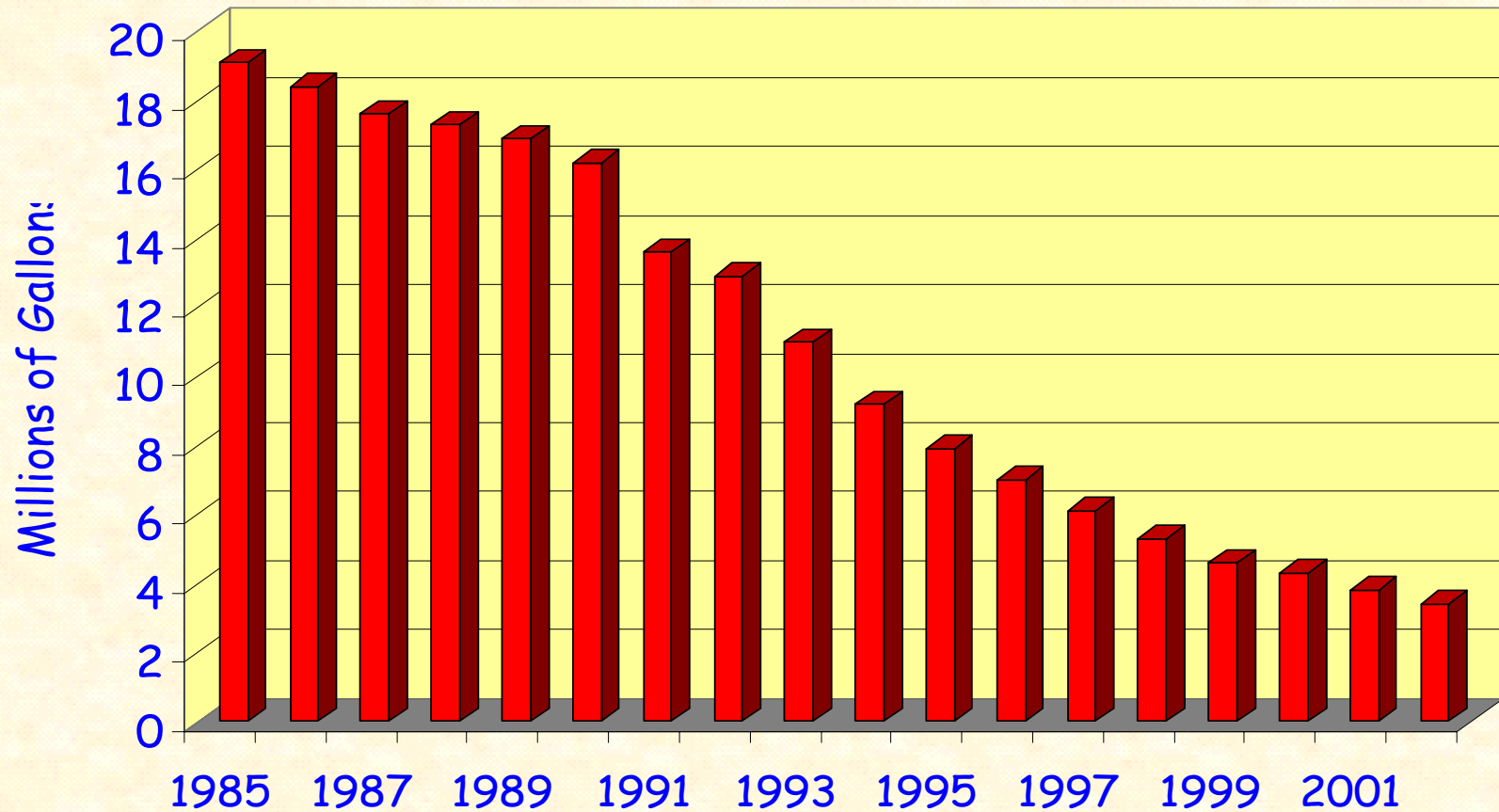
# The Diligent Drycleaner

## Reported releases of solvent and solvent-contaminated wastes at drycleaning facility in Orlando, FL

- 2/2/95 10 oz., pump seal
- 3/15/95 small leak, button trap
- 5/3/95 leaking O-ring seal
- 6/14/95 8 oz. solvent, replace seal
- 9/9/95 small leak at fitting
- 10/4/95 leak at button trap
- 6/6/96 3 oz. solvent, button trap
- 10/3/96 gasket on drum door
- 1/3/97 small leak at still door
- 12/25/97 10 oz. solvent, leaking pump seal
- 4/18/98 leaking gate valve
- 11/4/98 leaking air relief valve



# PCE Demand







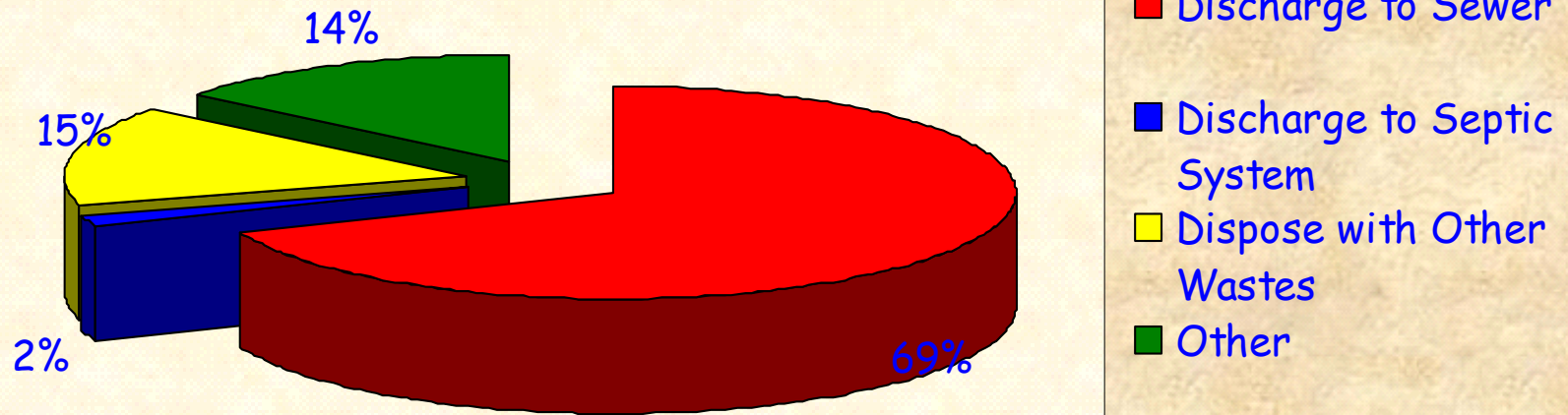
# Drycleaning Wastes

- Still Bottoms, Muck, Cooked powder residues
- Contact Water
  - Separator Water
  - Vacuum Water
  - Mop Water
  - Boiler Blow Down Water
  - Conventional Laundry Water
- Spent Filters
- Spotting Residues
- Lint
- Spent Solvent
- Solvent Vapors





# IFI Sep. Water Disposal



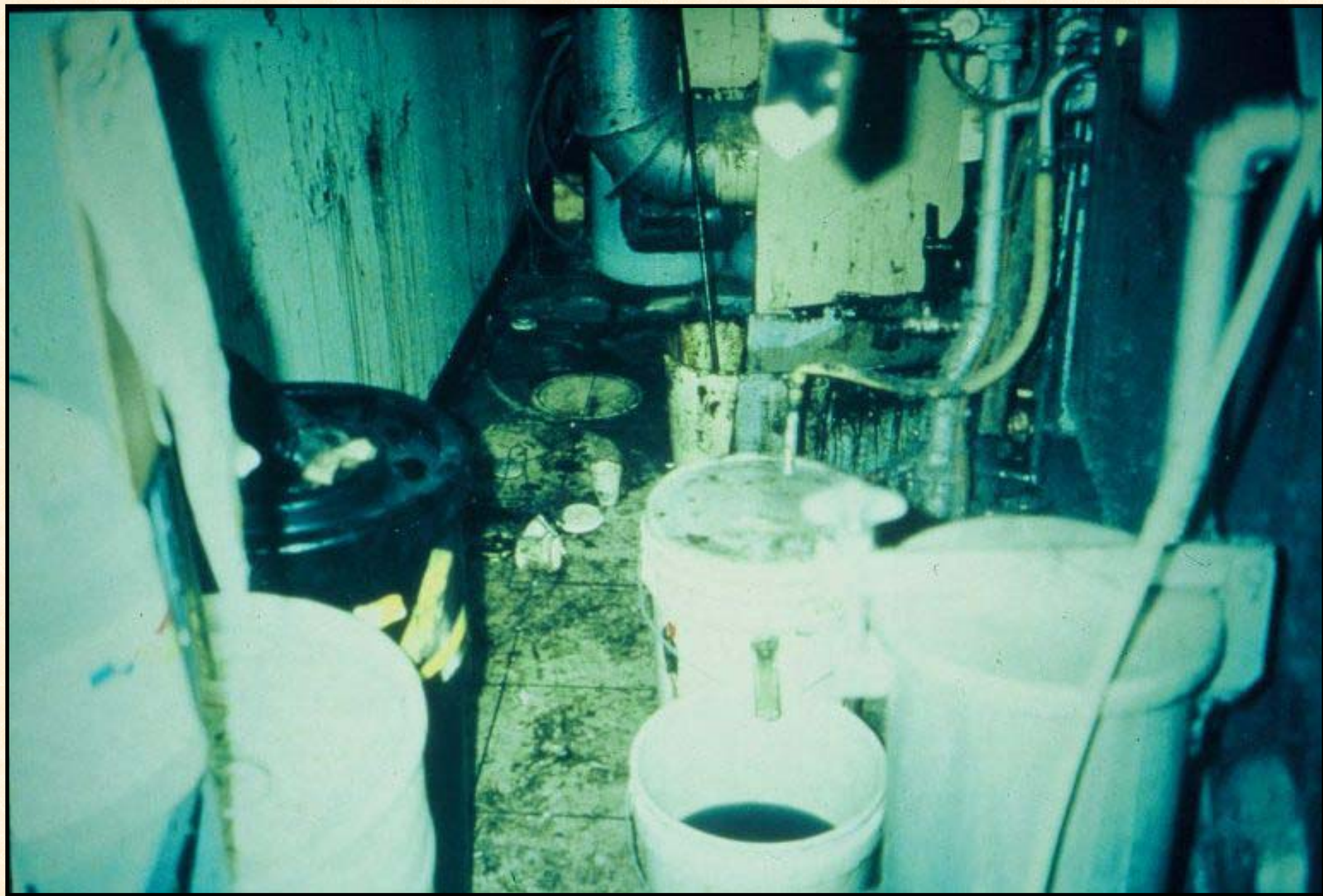
























# Where to Sample?

Solvent Transfer, Solvent Storage, Solvent Use,  
Waste Storage and Waste Disposal Areas

- Dry Cleaning Machine
- Distillation Units
- ASTs/USTs
- Service Door
- Floor Drains
- Sanitary Sewer Lines/Lift Stations
- Septic Tank/Drainfield
- Storm Sewers/Soakage Pits
- Dumpsters/Trash Cans
- Spotting Board
- Lint Trap/Surge Tank
- Tumbler (Dryer) Vents













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**State Coalition for  
Remediation of Drycleaners**

## Drycleaner Site Profiles

[Admin](#)

The following provide details about the remediation of specific drycleaner sites throughout the United States. The data for these profiles have been collected by the Project Management/Technical Issues Subgroup of the State Coalition for Remediation of Drycleaners (SCRD). Profiles were developed based on information provided by the point-of-contact listed.

These profiles represent the first step in what we hope will become a comprehensive reference. To the extent available, a consistent set of data is presented about each site. The intent is to provide users, particularly state officials, with information that can help them in making more informed decisions related to the remediation of the sites in their states and, when possible, to provide pointers to additional information. The data included in each profile are site name, location, description, hydrology, ground-water contamination, remediation technology used, results achieved, costs, lessons learned, and point-of-contact for further information. A search capability is included; users may enter key words and search all profiles simultaneously.

Profiles will be updated as new information is received. A copy of the Drycleaner Site Profile Information Request also is provided in this section of the Web site. Those who have information about cleanup at drycleaner sites where remediation systems have been installed and operating for one or more years are encouraged to submit it for inclusion in this report.

[Browse Site Profiles](#)[Search Site Profiles](#)[Submit a Site Profile](#)

### Browse Site Profiles

Site Name	Location	Updated
<a href="#">A Dry Cleaner in Warwick, RI</a>	Warwick, Rhode Island United States	Created: 11/09/00 Modified: 12/06/03
<a href="#">ABC Cleaners</a>	Monroe, Michigan United States	Created: 10/17/03 Modified: 12/06/03
<a href="#">Abe's Main Street Cleaners</a>	Portland, Oregon United States	Created: 09/28/01 Modified: 04/12/04
<a href="#">Alea Laundry</a>	Naval Station Pearl Harbor, Hawaii United States	Created: 11/09/00 Modified: 12/06/03
<a href="#">Alpine Cleaners</a>	Portland, Oregon United States	Created: 09/28/01 Modified: 04/12/04
<a href="#">Art's Dry Cleaners</a>	Charlevoix, United States	Created: 11/09/00 Modified: 12/06/03